	WEST								
	Help Logout Interrupt								
	Main Menu   Search Form   Posting Counts   Show S Numbers   Edit S Numbers   Preferences	Cases							
	Search Results -								
	Terms Documents								
	L3 and fer\$5 and hydrogen peroxide 10								
US Patents Full-Text Database US Pre-Grant Publication Full-Text Database JPO Abstracts Database EPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins  Search:  Recall Text Database  Fig. 1  Refine Search  Recall Text Database  Clear									
	Search History								

DATE: Monday, September 30, 2002 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
•	PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ	-	resurt set
<u>L4</u>	L3 and fer\$5 and hydrogen peroxide	10	<u>L4</u>
<u>L3</u>	L2 and lithium	25	<u>L3</u>
<u>L2</u>	polyuronic acid and 536/\$	57	<u>L2</u>
<u>L1</u>	polyuronic acid.ti.	14	<u>L1</u>

**END OF SEARCH HISTORY** 

# WEST

Generate Collection

Print

**Search Results -** Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 20020016453 A1

L4: Entry 1 of 10

File: PGPB

Feb 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020016453

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020016453 A1

TITLE: Process for the manufacture of polyuronic acids

PUBLICATION-DATE: February 7, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Marritt, William

Nagano-Ken

JP

US-CL-CURRENT: 536/123

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWIC Draw Desc Image

2. Document ID: US 6444660 B1

L4: Entry 2 of 10

File: USPT

Sep 3, 2002

US-PAT-NO: 6444660

DOCUMENT-IDENTIFIER: US 6444660 B1

TITLE: Lipid soluble steroid prodrugs

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWIC Draw Desc Image

☐ 3. Document ID: US 6416740 B1

L4: Entry 3 of 10

File: USPT

Jul 9, 2002

US-PAT-NO: 6416740

DOCUMENT-IDENTIFIER: US 6416740 B1

TITLE: Acoustically active drug delivery systems

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWMC Draw Desc Image

☐ 4. Document ID: US 6231834 B1

L4: Entry 4 of 10

File: USPT

May 15, 2001

US-PAT-NO: 6231834

DOCUMENT-IDENTIFIER: US 6231834 B1

TITLE: Methods for ultrasound imaging involving the use of a contrast agent and

multiple images and processing of same

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KAMC Draw Desc Image

☐ 5. Document ID: US 6139819 A

L4: Entry 5 of 10

File: USPT

Oct 31, 2000

US-PAT-NO: 6139819

DOCUMENT-IDENTIFIER: US 6139819 A

TITLE: Targeted contrast agents for diagnostic and therapeutic use

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw, Desc Image

☐ 6. Document ID: US 6123923 A

L4: Entry 6 of 10

File: USPT

Sep 26, 2000

US-PAT-NO: 6123923

DOCUMENT-IDENTIFIER: US 6123923 A

TITLE: Optoacoustic contrast agents and methods for their use

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC | Draw Desc | Image |

☐ 7. Document ID: US 6090800 A

L4: Entry 7 of 10

File: USPT

Jul 18, 2000

US-PAT-NO: 6090800

DOCUMENT-IDENTIFIER: US 6090800 A

TITLE: Lipid soluble steroid prodrugs

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw Desc Image

☐ 8. Document ID: US 6071494 A

L4: Entry 8 of 10

File: USPT

Jun 6, 2000

US-PAT-NO: 6071494

DOCUMENT-IDENTIFIER: US 6071494 A

TITLE: Methods for diagnostic imaging using a contrast agent and a renal vasodilator

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWIC Draw Desc Image

П	9.	Document	ID:	US	6028066 A
		Doomingin	11.	$\sim$	00200011

L4: Entry 9 of 10

File: USPT

Feb 22, 2000

Dec 8, 1998

US-PAT-NO: 6028066

DOCUMENT-IDENTIFIER: US 6028066 A

TITLE: Prodrugs comprising fluorinated amphiphiles

	Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw, Desc	Image	
r														
		10.	Docu	ımen	t ID:	US 5846	<b>517</b> .	A						

File: USPT

US-PAT-NO: 5846517

DOCUMENT-IDENTIFIER: US 5846517 A

L4: Entry 10 of 10

TITLE: Methods for diagnostic imaging using a renal contrast agent and a vasodilator

Full   little	e   Urtation	Front	Review	Classificat	tion   Date	e   Ketereno	e Sequence	es Attac	nnens	ı	KWWC J L	raw. Desc	Image	L	
 										***************************************					
					Ger	erate C	ollection		Print						
					Ter	ms					D	ocum	ents		
[I	3 and fe	er\$5 a	ınd hy	droger	n pero	xide	· · · · · · · · · · · · · · · · · · ·		<del>*************************************</del>					10	

Display Format: - Change Format

Previous Page Next Page

Generate Collection

Print

# **Search Results -** Record(s) 1 through 10 of 14 returned.

☐ 1. Document ID: US 20020016453 A1

L1: Entry 1 of 14

File: PGPB

Feb 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020016453

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020016453 A1

TITLE: Process for the manufacture of polyuronic acids

PUBLICATION-DATE: February 7, 2002

INVENTOR - INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Marritt, William

Nagano-Ken

JΡ

US-CL-CURRENT: 536/123

# Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Desc Image

☐ 2. Document ID: US 6242529 B1

L1: Entry 2 of 14

File: USPT

Jun 5, 2001

US-PAT-NO: 6242529

DOCUMENT-IDENTIFIER: US 6242529 B1

TITLE: Aqueous ink jet compositions comprising a hydrophobic polymer functionalized polyuronic acid dispersent, and method of using

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw Desc Image

☐ 3. Document ID: US 4504504 A

L1: Entry 3 of 14

File: USPT

Mar 12, 1985

US-PAT-NO: 4504504

DOCUMENT-IDENTIFIER: US 4504504 A

TITLE: Texture preservation for diced fresh food products using gelled polyuronic

acids

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KOMC Draw Desc Image

☐ 4. Document ID: JP 2002047302 A

L1: Entry 4 of 14

File: JPAB

Feb 12, 2002

PUB-NO: JP02002047302A

DOCUMENT-IDENTIFIER: JP 2002047302 A

TITLE: METHOD FOR MANUFACTURING POLYURONIC ACID

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWAC Draw, Desc Image

☐ 5. Document ID: JP 56079101 A

L1: Entry 5 of 14

File: JPAB

Jun 29, 1981

PUB-NO: JP356079101A

DOCUMENT-IDENTIFIER: JP 56079101 A

TITLE: POLYURONIC ACID DERIVATIVE, MANNO-GULONOGLYCAN DERIVED FROM SEAWEED

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw Desc Clip Img Image

☐ 6. Document ID: EP 1153933 A1

L1: Entry 6 of 14

File: EPAB

Nov 14, 2001

PUB-NO: EP001153933A1

DOCUMENT-IDENTIFIER: EP 1153933 A1

TITLE: Process for the manufacture of polyuronic acids

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw Desc Image

7. Document ID: JP 2002047302 A EP 1153933 A1 US 20020016453 A1

L1: Entry 7 of 14

File: DWPI

Feb 12, 2002

DERWENT-ACC-NO: 2002-091628

DERWENT-WEEK: 200227

COPYRIGHT 2002 DERWENT INFORMATION LTD

TITLE: Manufacture of low molecular weight <u>polyuronic acid</u> useful as scale inhibitors and scale deposit removers, by adding hydrogen peroxide and a ferrous salt to a solution of high molecular weight polyuronic acid.

solution of high molecular weight polyuronic acid

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWC Draw Desc Image

8. Document ID: ES 2168862 T3 WO 9955397 A1 FR 2778081 A1 AU 9934251 A EP 1075289 A1 EP 1075289 B1 DE 69900556 E AU 743763 B JP 2002512857 W

L1: Entry 8 of 14

File: DWPI

Jun 16, 2002

DERWENT-ACC-NO: 2000-013363

DERWENT-WEEK: 200246

COPYRIGHT 2002 DERWENT INFORMATION LTD

TITLE: Reinforcement of sutured tissue using textile of polyuronic acid

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw Desc Image

☐ 9. Document ID: SU 4	459207 A	Apr 11, 1975							
DERWENT-ACC-NO: 1975-66850W		pr 11, 13,13							
DERWENT-WEEK: 197540 COPYRIGHT 2002 DERWENT INFOR	MATION LTD								
TITLE: Protein concentrates prepn by pptn., from dil. protein soln. by polyuronic acids (salts) useful as food additives									
Full Title Citation Front Review Class	ification Date Reference Sequences A	ttachments   Kimic   Draw Desc   Image							
☐ 10. Document ID: SU	447163 A								
L1: Entry 10 of 14	Mar 12, 1975								
DERWENT-ACC-NO: 1975-63598W DERWENT-WEEK: 197538 COPYRIGHT 2002 DERWENT INFORMATION LTD									
TITLE: Microencapsulation of water immiscible liquids - using gelatin and polyuronic acid or its water soluble deriv									
Full   Title   Citation   Front   Review   Class	ification Date Reference Sequences A	ttachments KMMC Draw Desc Image							
	Generate Collection	Print							
Т	erms	Documents							
polyuronic acid.ti.		14							

Display Format: - Change Format

Previous Page Next Page

**Generate Collection** 

Print

**Search Results -** Record(s) 11 through 14 of 14 returned.

☐ 11. Document ID: BE 788844 A CA 977233 A CH 568725 A CS 7206480 A DD 102913 A DE 2246221 A DE 2246221 C FR 2154031 A GB 1391614 A IT 1048261 B JP 48056896 A JP 76009037 B NL 174801 B NL 7212711 A RO 62793 A US 3861400 A ZA 7206189 A

L1: Entry 11 of 14

File: DWPI

DERWENT-ACC-NO: 1973-12416U

DERWENT-WEEK: 197309

COPYRIGHT 2002 DERWENT INFORMATION LTD

TITLE: Smoking material - contg a nicotine deriv of a polyuronic acid as reinforcement

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMMC Draw Desc Image

☐ 12. Document ID: DE 1443488 B

L1: Entry 12 of 14

File: DWPI

DERWENT-ACC-NO: 1968-23011Q

DERWENT-WEEK: 196800

COPYRIGHT 2002 DERWENT INFORMATION LTD

TITLE: Derivatives/degradation products of galactomannanes, polyuronic acids etc. are produced by heating powdered starting material gradual in vacuo with continuous r

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw Desc Image

☐ 13. Document ID: US 3159539 A

L1: Entry 13 of 14

File: DWPI

DERWENT-ACC-NO: 1966-14819F

DERWENT-WEEK: 196800

COPYRIGHT 2002 DERWENT INFORMATION LTD

TITLE: Compn. comprising a silver salt of a polyuronic acid with m.w. 1000 - 5000, and

a soap, cosmetic or pharmaceutical vehicle. Claims restricted to such comp

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWC Draw Desc Image

☐ 14. Document ID: GB 948417 A

L1: Entry 14 of 14

File: DWPI

DERWENT-ACC-NO: 1966-10553F

DERWENT-WEEK: 196800

COPYRIGHT 2002 DERWENT INFORMATION LTD

TITLE: Bi polysaccharide complexes, esp. when polysaccharide is derived from a polyuronic acid (esp. pectin), a gum, a mucilage, a starch deriv. a cellulose deriv.

Full Title Citation Front Review Classification Date Reference Sequences A	ttachments   KOMC   Drawn Desc   Image
Generate Collection	Print
Terms	Documents
polyuronic acid.ti.	14

Display Format: - Change Format

Previous Page Next Page

polyuronic acid 213 POLYURONIC 3442022 ACID 66 POLYURONIC ACID (POLYURONIC (W) ACID) => s l1 and hydrogen peroxide and ferrous and lithium 711184 HYDROGEN 161893 PEROXIDE 79177 HYDROGEN PEROXIDE (HYDROGEN (W) PEROXIDE) 53961 FERROUS 244172 LITHIUM 1.2 1 L1 AND HYDROGEN PEROXIDE AND FERROUS AND LITHIUM => d l1 ibib abs hitstr ANSWER 1 OF 66 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 2001:830738 CAPLUS DOCUMENT NUMBER: 135:372182 TITLE: Process for the manufacture of low molecular weight polyuronic acids by oxidative depolymerization INVENTOR(S): Marritt, William PATENT ASSIGNEE(S): Seiko Epson Corporation, Japan SOURCE: Eur. Pat. Appl., 17 pp. CODEN: EPXXDW DOCUMENT TYPE: Patent LANGUAGE: English FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION: PATENT NO. KIND DATE APPLICATION NO. DATE --------------EP 1153933 A1 20011114 EP 2001-111559 20010511 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO JP 2002047302 A2 20020212 JP 2001-141271 20010511 US 2002016453 **A1** 20020207 US 2001-855128 20010514 PRIORITY APPLN. INFO.: JP 2000-140542 A 20000512 JP 2000-151663 A 20000523 JP 2001-141271 A 20010511 Disclosed is a polyuronic acid having an av. d.p. less than 20. The method of the present invention comprises the steps: (a) providing a soln. contg. 5 wt.% or more of a high mol. wt. polyuronic acid predominantly as its lithium salt; (b) adding hydrogen peroxide and a ferrous salt to the soln. prepd. in step (a) to oxidatively degrade the high mol. wt. polyuronic acid; and (c) isolating a polyuronic acid having an av. d.p. less than 20 obtained in step (b). Thus, polyguluronic acid and polymannuronic acid were prepd. from alginic acid with lithium hydroxide in presence of hydrogen peroxide and ferrous sulfate. REFERENCE COUNT: THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS 1 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT => d l2 ibib abs hitstr ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 2001:830738 CAPLUS DOCUMENT NUMBER: 135:372182 TITLE: Process for the manufacture of low molecular weight polyuronic acids by oxidative depolymerization INVENTOR(S): Marritt, William PATENT ASSIGNEE(S): Seiko Epson Corporation, Japan Eur. Pat. Appl., 17 pp. SOURCE: CODEN: EPXXDW DOCUMENT TYPE: Patent

LANGUAGE:

FAMILY ACC. NUM. COUNT:

English

PATENT NO. KIND DATE APPLICATION NO. DATE --------------EP 1153933 A1 20011114 EP 2001-111559 20010511 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO JP 2002047302 A2 20020212 JP 2001-141271 20010511 US 2002016453 A1 20020207 US 2001-855128 20010514 PRIORITY APPLN. INFO.: JP 2000-140542 A 20000512 A 20000523 JP 2000-151663 JP 2001-141271 A 20010511

AB Disclosed is a polyuronic acid having an av. d.p. less than 20. The method of the present invention comprises the steps: (a) providing a soln. contg. 5 wt.% or more of a high mol. wt. polyuronic acid predominantly as its lithium salt; (b) adding hydrogen peroxide and a ferrous salt to the soln. prepd. in step (a) to oxidatively degrade the high mol. wt. polyuronic acid; and (c) isolating a polyuronic acid having an av. d.p. less than 20 obtained in step (b). Thus, polyguluronic acid and polymannuronic acid were prepd. from alginic acid with lithium hydroxide in presence of hydrogen peroxide and ferrous sulfate.

1

REFERENCE COUNT:

THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT